WHAT IS CLAIMED IS:

1	1. A method for data synchronization, comprising:
2	determining a first identifier for a portion of data at a first source;
3	determining a second identifier for a portion of corresponding data at a second
4	source;
5	comparing the first and second identifiers; and
6	when the first and second identifiers do not match, replacing the portion of

- 1 2. The method of claim 1, further comprising:
- when the first and second identifiers do match, determining that the portion of

corresponding data at the second source with the portion of data at the first source.

- 3 data at the first source and the portion of corresponding data at the second source are
- 4 identical.
- 1 3. The method of claim 1, wherein the first and second identifiers comprise 2 hash keys.
- 1 4. The method of claim 3, further comprising:
- 2 generating the hash keys using a single hash key function.
- 1 5. The method of claim 3, further comprising:
- 2 generating the hash keys using multiple hash key functions.
- 1 6. The method of claim 1, further comprising:
- 2 generating the first identifier by performing a first function on the portion of data
- 3 at the first source; and

- generating the second identifier by performing the first function on the portion of corresponding data at the second source.
- 1 7. The method of claim 1, wherein determining the first identifier further 2 comprises:
- 3 generating a first value by performing a first function on the portion of data at the
- 4 first source;
- 5 generating a second value by performing a second function on the portion of data
- 6 at the first source; and
- 7 generating the first identifier by combining the first value and the second value.
- 1 8. The method of claim 7, wherein determining the second identifier further 2 comprises:
- generating a third value by performing the first function on the portion of
- 4 corresponding data at the second source;
- 5 generating a fourth value by performing the second function on the portion of
- 6 corresponding data at the second source; and
- 7 generating the second identifier by combining the third value and the fourth
- 8 value.
- 1 9. The method of claim 1, wherein determining the first identifier further
- 2 comprises:
- 3 generating a first value by performing a first function on the portion of data at the
- 4 first source; and
- 5 generating the first identifier by performing a second function on the first value.

1	10. The method of claim 9, wherein determining the second identifier further
2	comprises:
3	generating a second value by performing the first function on the portion of
4	corresponding data at the second source; and
5	generating the second identifier by performing the second function on the second
6	value.
1	11. The method of claim 1, wherein the first identifier for the portion of data
2	at the first source is determined when the portion of data at the first source is updated and
3	the second identifier for the portion of corresponding data at the second source is
4	determined when the portion of corresponding data at the second source is updated.
1	12. The method of claim 1, wherein the first identifier and the second
2	identifier are determined when a determination is made that it is time to synchronize data
3	at the first source and the second source.
1	13. The method of claim 1, wherein the first identifier and the second
2	identifier are determined periodically.
1	14. An article of manufacture for data synchronization, wherein the article of
2	manufacture is capable of causing operations to be performed, the operations comprising:
3	determining a first identifier for a portion of data at a first source;
4	determining a second identifier for a portion of corresponding data at a second
5	source;
6	comparing the first and second identifiers; and
7	when the first and second identifiers do not match, replacing the portion of
8	corresponding data at the second source with the portion of data at the first source.

1	15. The article of manufacture of claim 14, wherein the operations further
2	comprise:
3	when the first and second identifiers do match, determining that the portion of
4	data at the first source and the portion of corresponding data at the second source are
5	identical.
1	16. The article of manufacture of claim 14, wherein the first and second
2	identifiers comprise hash keys.
1	17. The article of manufacture of claim 16, wherein the operations further
2	comprise:
3	generating the hash keys using a single hash key function.
1	18. The article of manufacture of claim 16, wherein the operations further
2	comprise:
3	generating the hash keys using multiple hash key functions.
l	19. The article of manufacture of claim 14, wherein the operations further
2	comprise:
3	generating the first identifier by performing a first function on the portion of data
1	at the first source; and
5	generating the second identifier by performing the first function on the portion of
5	corresponding data at the second source.
l	20. The article of manufacture of claim 14, wherein the operation for
2	determining the first identifier further comprises:
3	generating a first value by performing a first function on the portion of data at the
ļ	first source;

5	generating a second value by performing a second function on the portion of data
6	at the first source; and
7	generating the first identifier by combining the first value and the second value.
1	21. The article of manufacture of claim 20, wherein the operation for
2	determining the second identifier further comprises:
3	generating a third value by performing the first function on the portion of
4	corresponding data at the second source;
5	generating a fourth value by performing the second function on the portion of
6	corresponding data at the second source; and
7	generating the second identifier by combining the third value and the fourth
8	value.
1	22. The article of manufacture of claim 14, wherein the operation for
2	determining the first identifier further comprises:
3	generating a first value by performing a first function on the portion of data at the
4	first source; and
5	generating the first identifier by performing a second function on the first value.
1	23. The article of manufacture of claim 22, wherein the operation for
2	determining the second identifier further comprises:
3	generating a second value by performing the first function on the portion of
4	corresponding data at the second source; and
5	generating the second identifier by performing the second function on the second
6	value.

1	24. The article of manufacture of claim 14, wherein the first identifier for the
2	portion of data at the first source is determined when the portion of data at the first source
3	is updated and the second identifier for the portion of corresponding data at the second
4	source is determined when the portion of corresponding data at the second source is
5	updated.
1	25. The article of manufacture of claim 14, wherein the first identifier and the
2	second identifier are determined when a determination is made that it is time to
3	synchronize data at the first source and the second source.
1	26. The article of manufacture of claim 14, wherein the first identifier and the
2	second identifier are determined periodically.
1	27. A system for data synchronization, comprising:
2	means for determining a first identifier for a portion of data at a first source;
3	means for determining a second identifier for a portion of corresponding data at a
4	second source;
5	means for comparing the first and second identifiers; and
6	means for, when the first and second identifiers do not match, replacing the
7	portion of corresponding data at the second source with the portion of data at the first
8	source.
1	28. The system of claim 27, further comprising:
2	means for, when the first and second identifiers do match, determining that the
3	portion of data at the first source and the portion of corresponding data at the second
4	source match.

1	29. The system of claim 27, wherein the first and second identifiers comprise
2	hash keys.
1	30. The system of claim 29, further comprising:
2	means for generating the hash keys using a single hash key function.
i	31. The system of claim 29, further comprising:
2	means for generating the hash keys using multiple hash key functions.
l	32. The system of claim 27, further comprising:
2	means for generating the first identifier by performing a first function on the
3	portion of data at the first source; and
1	means for generating the second identifier by performing the first function on the
5	portion of corresponding data at the second source.
l	33. The system of claim 27, wherein determining the first identifier further
2	comprises:
3	means for generating a first value by performing a first function on the portion of
1	data at the first source;
5	means for generating a second value by performing a second function on the
5	portion of data at the first source; and
7	means for generating the first identifier by combining the first value and the
3	second value.
	34. The system of claim 33, wherein determining the second identifier further
)	comprises:
	means for generating a third value by performing the first function on the portion
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r	of corresponding data at the second source;

5	means for generating a fourth value by performing the second function on the
5	portion of corresponding data at the second source; and
7	means for generating the second identifier by combining the third value and the
3	fourth value.
l	35. The system of claim 27, wherein determining the first identifier further
2	comprises:
3	means for generating a first value by performing a first function on the portion of
1	data at the first source; and
5	means for generating the first identifier by performing a second function on the
5	first value.
l	36. The system of claim 35, wherein determining the second identifier further
2	comprises:
3	means for generating a second value by performing the first function on the
1	portion of corresponding data at the second source; and
5	means for generating the second identifier by performing the second function on
5	the second value.
l	37. The system of claim 27, wherein the first identifier for the portion of data
2	at the first source is determined when the portion of data at the first source is updated and
3	the second identifier for the portion of corresponding data at the second source is
ļ	determined when the portion of corresponding data at the second source is updated.
	38. The system of claim 27, wherein the first identifier and the second
2	identifier are determined when a determination is made that it is time to synchronize data

at the first source and the second source.

- 1 39. The system of claim 27, wherein the first identifier and the second
- 2 identifier are determined periodically.